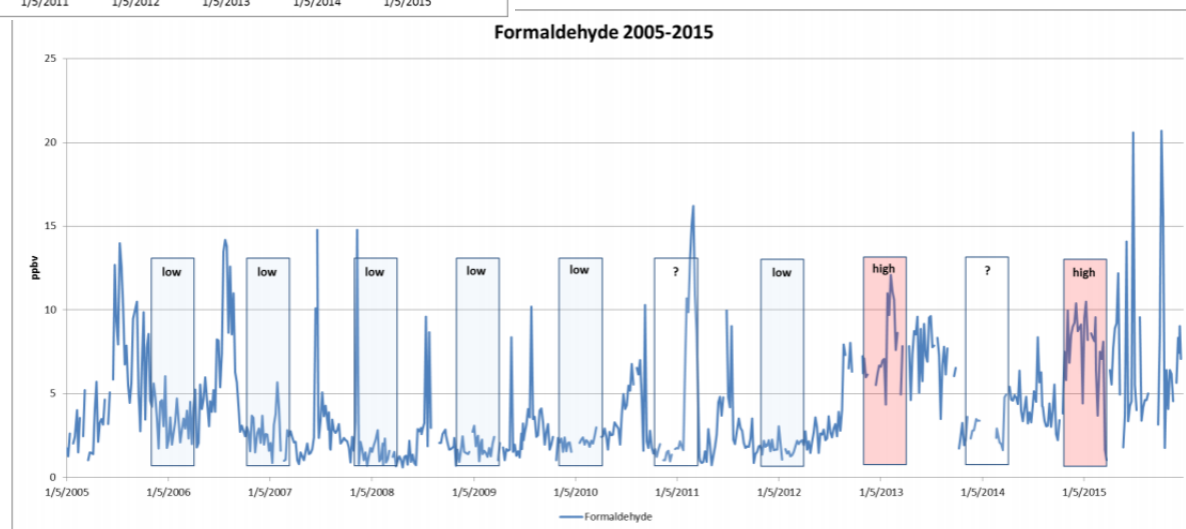
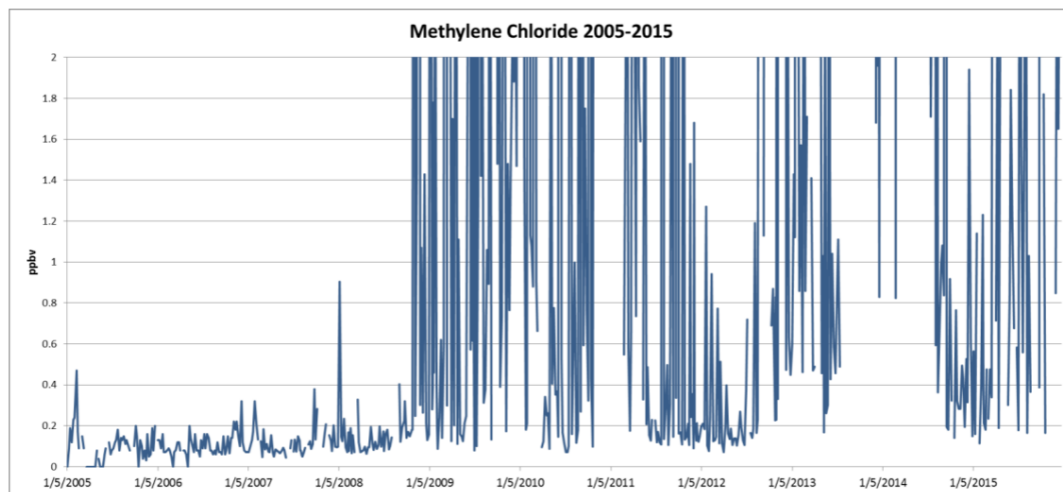


Saturation Air Toxics Monitoring in Davis County

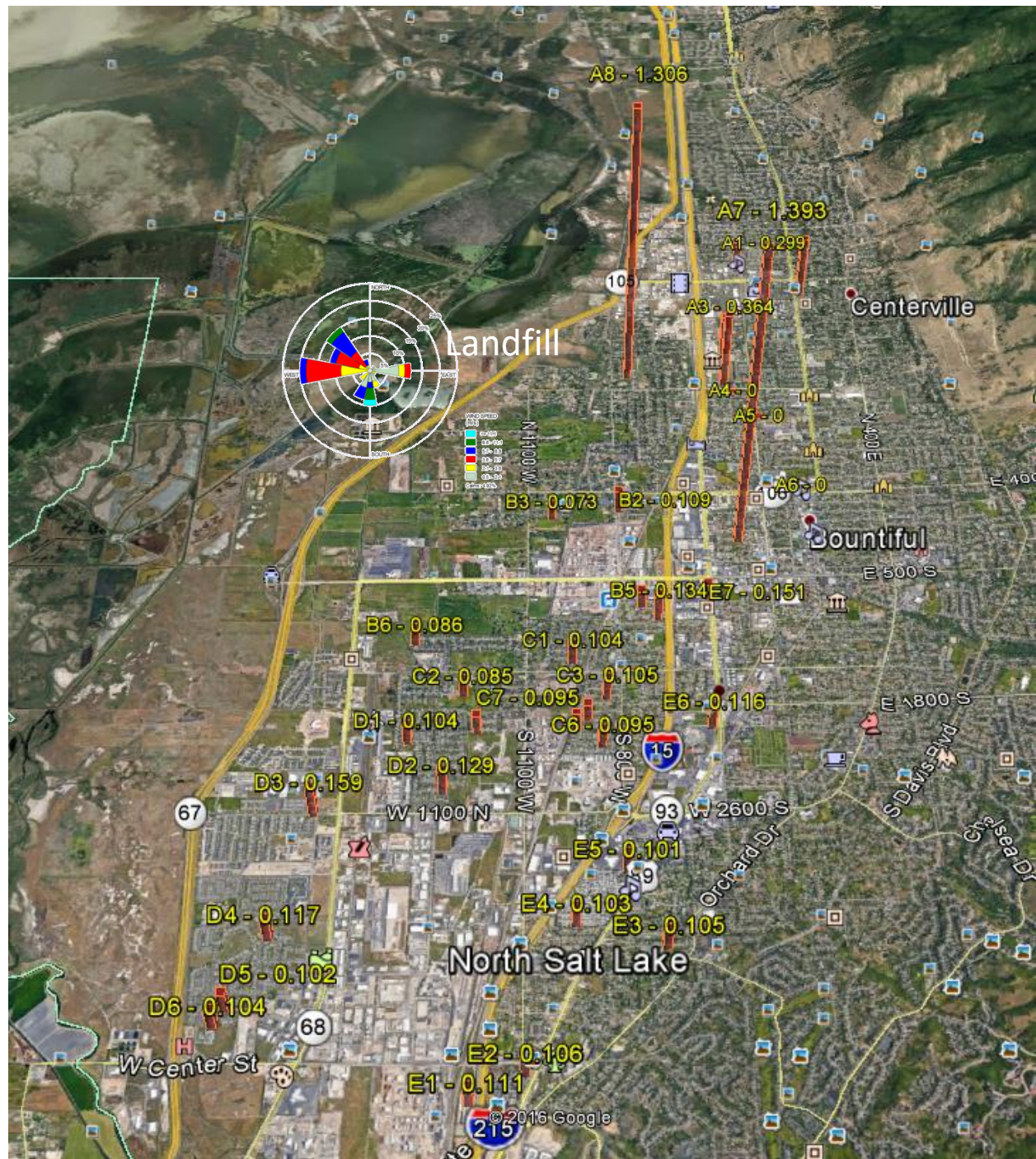
Utah Division of Air Quality

2015 Air Toxics Study showed high concentrations of Dichloromethane and Formaldehyde at the Bountiful-Viewmont air monitor



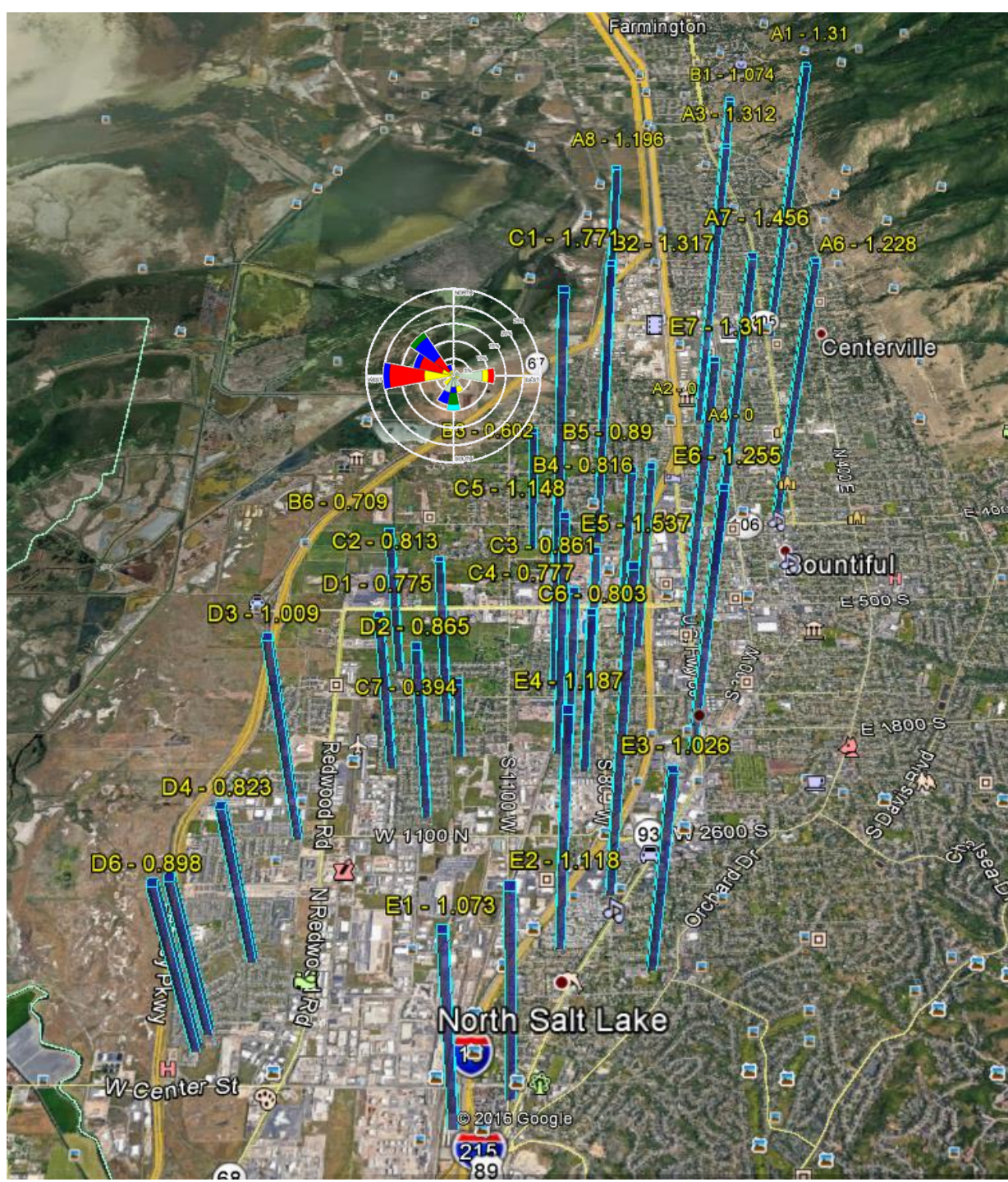
Dichloromethane

- Values shown are concentrations in ug/m3 during 1/16/17-1/21/17.
- Higher levels at sites, next to landfill
- High levels observed when wind is mostly W/NW



Formaldehyde

- Values shown are concentrations in ug/m3 during 1/16/17-1/21/17.
- Limited spatial variation
- Levels low compared to previous winters, but consistent with NATTS measurements at Bountiful site.



Preliminary Findings

- Dichloromethane potentially emitted from a source in the area of the Bountiful City landfill
- No clear source for formaldehyde.
Levels generally low compared to previous winters.
It is possible that the formaldehyde source was inactive during our sampling period.

Future work

- Current results are limited by the small number of data points.
Additional measurements will be collected during the summer sampling campaign.
Three sites will be moved closer to the landfill
- DAQ is working with EPA on deploying a mobile monitoring platform for continuous monitoring of formaldehyde next winter.